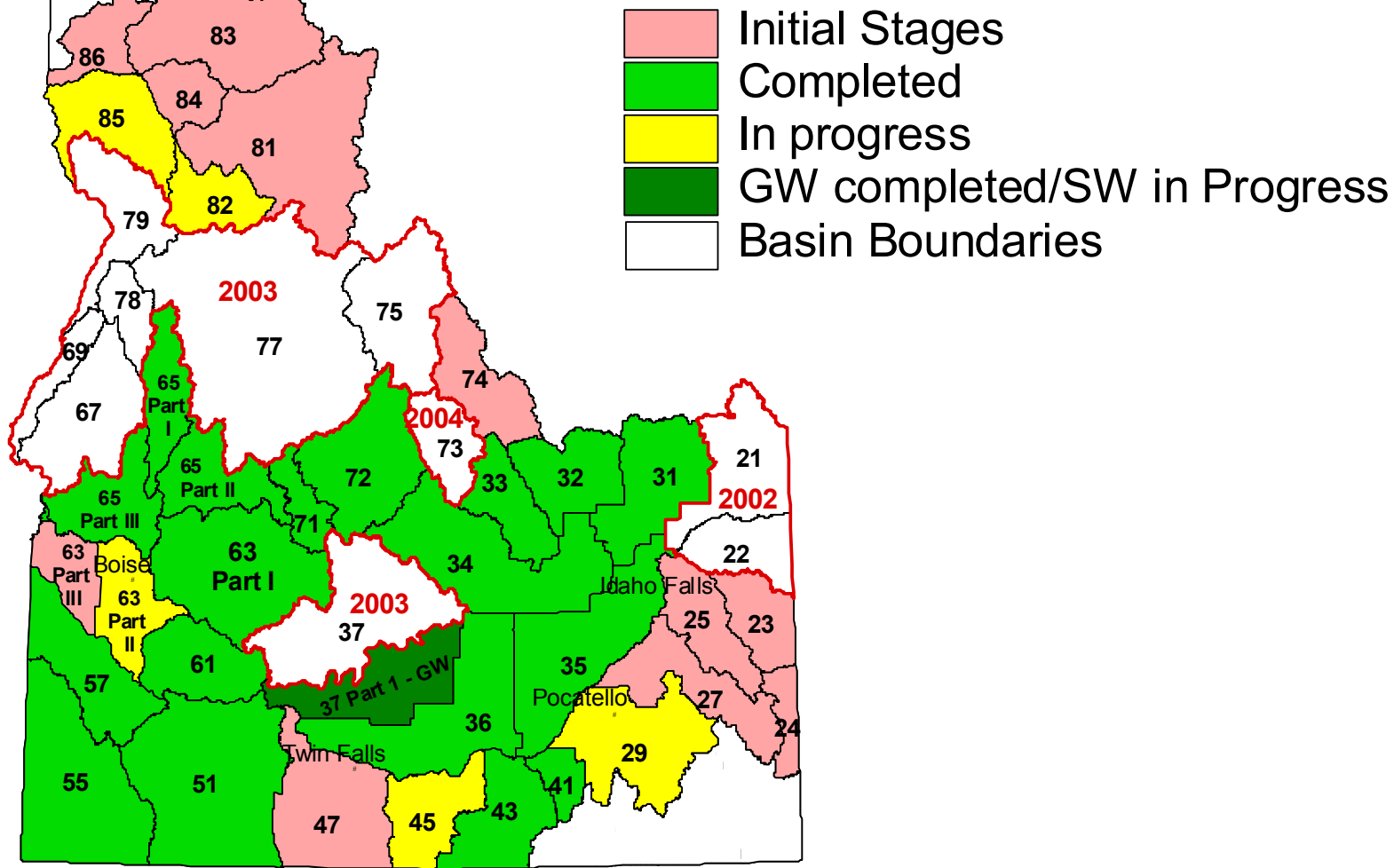


Large Place of Use in Irrigation Companies & Districts and Municipalities

Don Shaff

Idaho Department of Water Resources
Western States Adjudication Conference
Nebraska City, Nebraska
October 1, 2002

SRBA Investigation Start Dates for Director's Reports for Irrigation and Other Claims



Digital Boundaries

- 2002 amendments to the Idaho statutes
- I.C. §42-1411 – general description of the place of use “which may consist of a digital boundary.”
- I.C. §42-323 seen later refers to notice of any changes to those boundaries.

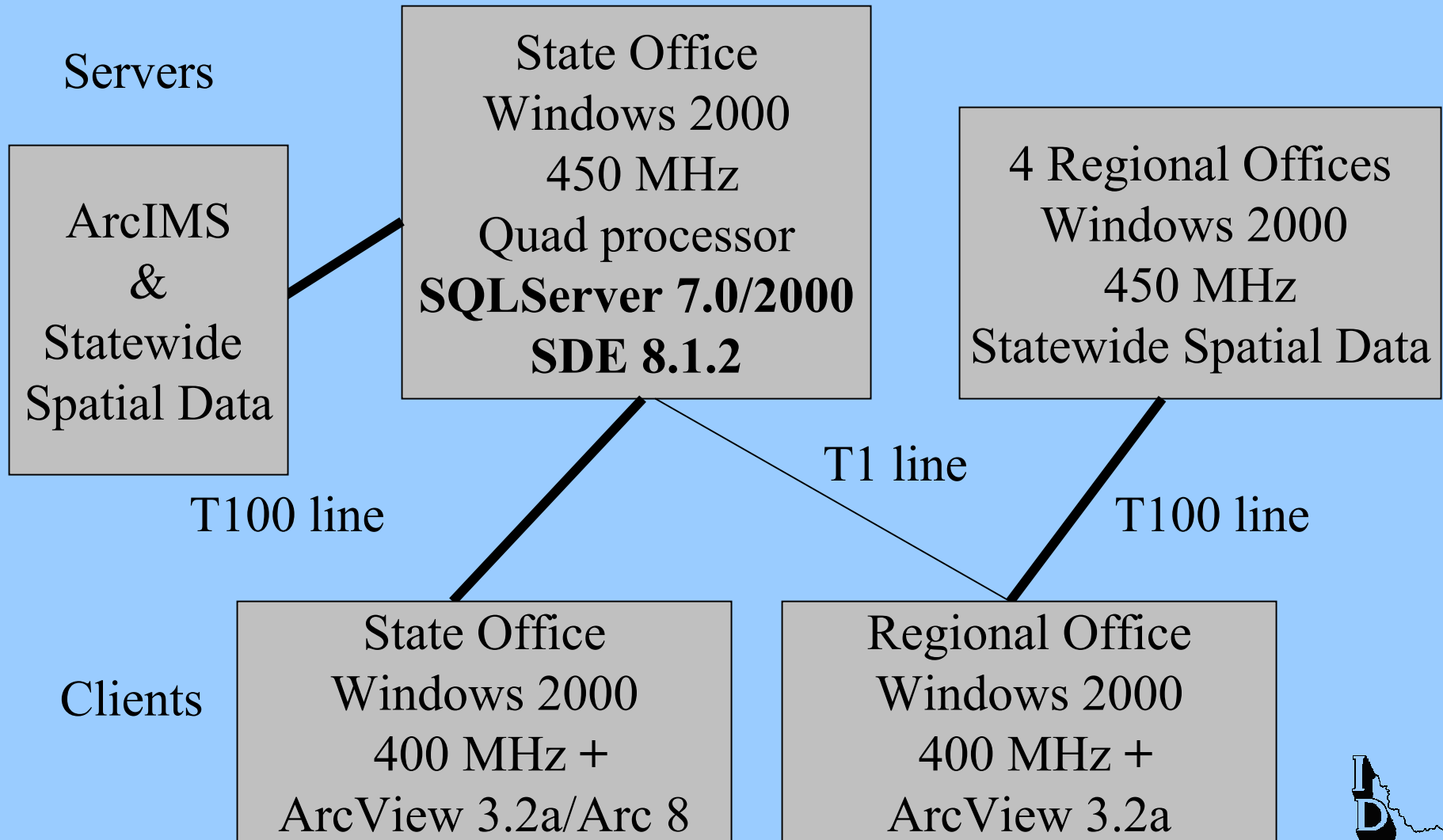


A Little GIS History

- Digitizing at five offices (4 regions & SO) and two satellite offices
- ArcView used as GIS platform
- ArcView LockManager used to lock themes
- Shapes managed by Spatial Data Engine (SDE)



IDWR GIS System Configuration 2002

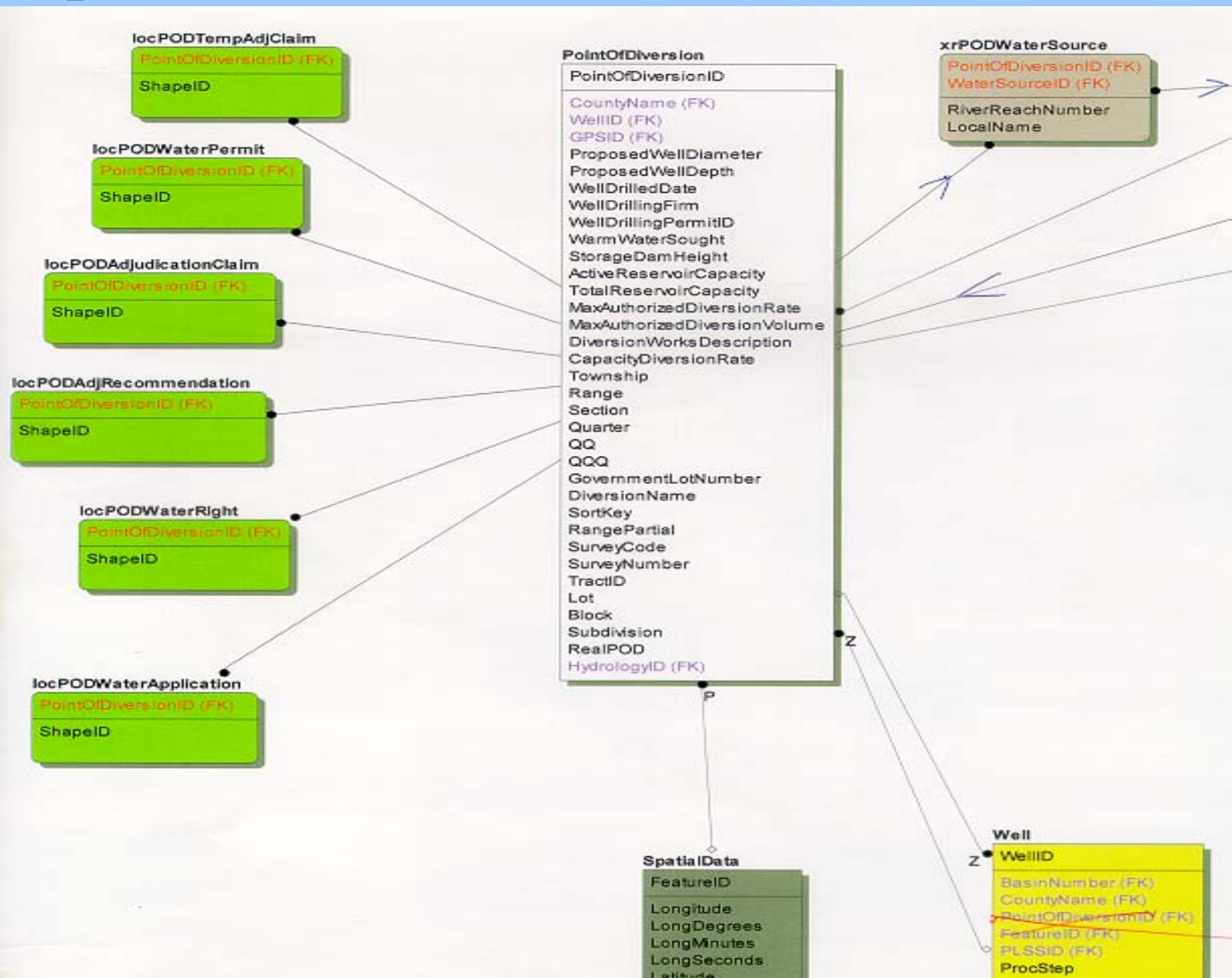


Spatial Data Engine (SDE) Advantages

- One data source - per Process
- Statewide coverage
- Speed of access
- Tied directly to Water Right/Well tables - Stored Procedure adds record to SDE layer
- Users - public and agency - have access through AV/ArcIMS
- Can update database values through Avenue SQLConnect
- Database Views tied to SDE layers



Spatial and Tabular Data Connections



Workflow Mechanics

Large POU

IDWR's Claim Verification Record



References

[Contact Help Desk](#)

[Document Management Search](#)

[Launch ArcView](#)

[Administrative Rules](#)

[Query Tools](#)

Screen ID 383
Process: Claim
Verification
Record
Step: Select
Claim

Enter Claim Number

Basin Number Sequence # Suffix

36

15127

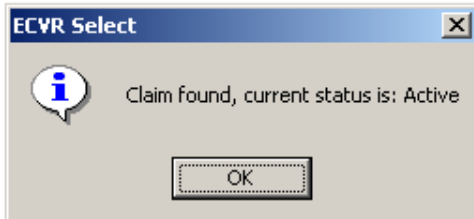
A

Check Claim Number

Recommendation Associated With Claim: 36-15127A Version 2

Use Recommendation

Create New Recommendation Version



Hide References

Next Step

Previous Steps:

Screen ID 383

[Document Management Search](#)

Administrative Rules

Query Tools

Show Help

Screen ID 384
Process: Claim
Verification
Record
Step: Update
Information

Review/Verify Log

This has already been verified

Status Active

Claim Number	36	15127	A
--------------	----	-------	---

Version Number 2

[View Documents](#)[View Recommendation](#)

Check List

[Print Form](#)☐ **Priority Date**

 **Contacts**

Point of Diversion

Source

☐ Place of Use

☐ Purpose of Use

Period of Use

Quantity

✓ Summary

Yes to All

[illegible]

Refresh

Comments

Author dshaff

Text

Subj

Date 09-06-2002

Add

Edit

Remove Selected

Author	Subject	Comment Text
djones	Amended Recommend...	ELEMENTS FOR RIGHTS 36-15127A & 36-15127B WERE CHANGED TO RESOLVE

**Save
Comments**

Hide References

Next Step

Previous Steps: [Select Claim](#)

Screen ID 384

References

[Contact Help Desk](#)

[Document Management Search](#)

[Launch ArcView](#)

[Administrative Rules](#)

[Query Tools](#)

Show Help

Screen ID 384
Process: Claim
Verification
Record
Step: Update
Information

Quick Look Contacts Priority Date POD Source **POU** Water Use Period of Use Quantity Summary

View Proof Report

View Claim Data

View Previous Text

Claim Number 36 15127 A

1. Is the basis of this claim a Decree or License?

2a. Is the POU required? 2b. Is the POU required?

3. Is the basis of claim a Application or Permit?

4. Has the licensed been issued yet?

5. Does the Decree or License have a POU?

6. Can the claimed POU be verified using the water right file?

7. Is there evidence that there has been a change in the POU?

8. Can the claim be verified as an accomplished transfer?

9. Does the claim include an enlargement in the POU?

10. Was an enlargement claim filed?

11. Did the claimant file an enlargement claim?

12. Was a transfer filed?

13. Does the file contain all the necessary information to verify the POU?

14. Is a POU remark and/or condition required?

Add Remarks/Conditions

Check for Overlapping Irrigation POU(s)

Check for All Overlapping POU(s)

Hide References

Next Step

Previous Steps: Select Claim

Screen ID 384

References

[Contact Help Desk](#)

[Document Management Search](#)

[Launch ArcView](#)

[Administrative Rules](#)

[Query Tools](#)

Show Help

Screen ID 384
Process: Claim
Verification
Record
Step: Update
Information

Quick Look Contacts Priority Date POD Source POU Water Use Period of Use Quantity Summary

View Proof Report

View Claim Data

View Previous Text

Claim Number 36 15127 A

1. Is the basis of this claim a Decree or License? No

2a. Is the POU required?

2b. Is the POU required?

3. Is the basis of claim a Application or Permit?

Yes
No

4. Has the licensed been issued yet?

5. Does the Decree or License have a POU?

6. Can the claimed POU be verified using the water right file?

7. Is there evidence that there has been a change in the POU?

8. Can the claim be verified as an accomplished transfer?

9. Does the claim include an enlargement in the POU?

10. Was an enlargement claim filed?

11. Did the claimant file an enlargement claim?

12. Was a transfer filed?

13. Does the file contain all the necessary information to verify the POU?

14. Is a POU remark and/or condition required?

Add Remarks/Conditions

Questions have not been saved

Save

Check for Overlapping Irrigation POU(s)

Check for All Overlapping POU(s)

Hide References

Next Step

Previous Steps: Select Claim

Screen ID 384

Do you want to

Create a new Large Place of Use?
Link an existing Large Place of Use?

Do you want to

Create a new Large Place of Use?
Link an existing Large Place of Use?

New POU

Do you want to designate this Place
Of Use as a Large POU?Yes
No

References

[Contact Help Desk](#)

[Document Management Search](#)

[Launch ArcView](#)

[Administrative Rules](#)

[Query Tools](#)

Show Help

Screen ID 384
Process: Claim
Verification
Record
Step: Update
Information

Quick Look Contacts Priority Date POD Source POU Water Use Period of Use Quantity Summary

View Proof Report

View Claim Data

View Previous Text

Claim Number 36 15127 A

1. Is the basis of this claim a Decree or License? No

2a. Is the POU required? 2b. Is the POU required? No

3. Is the basis of claim a Application or Permit?

4. Has the licensed been issued yet?

5. Does the Decree or License have a POU?

6. Can the claimed POU be verified using the water right file?

7. Is there evidence that there has been a change in the POU?

8. Can the claim be verified as an accomplishment?

9. Does the claim include an enlargement in the POU?

10. Was an enlargement claim filed?

11. Did the claimant file an enlargement claim?

12. Was a transfer filed?

13. Does the file contain all the necessary information to verify the POU?

14. Is a POU remark and/or condition required?

Add Remarks/Conditions

Check for Overlapping Irrigation POU(s)

Check for All Overlapping POU(s)

prjLargePOU
Large POU is set to Yes.
OK

Questions have not been saved

Save

References

[Contact Help Desk](#)

[Document Management Search](#)

[Launch ArcView](#)

[Administrative Rules](#)

[Query Tools](#)

Show Help

Screen ID 384
Process: Claim
Verification
Record
Step: Update
Information

Quick Look Contacts Priority Date POD Source POU Water Use Period of Use Quantity Summary

View Proof Report

View Claim Data

View Previous Text

Claim Number 36 15127 A

1. Is the basis of this claim a Decree or License? No

2a. Is the POU required? 2b. Is the POU required? No

3. Is the basis of claim a Application or Permit?

4. Has the licensed been issued yet?

5. Does the Decree or License have a POU?

6. Can the claimed POU be verified using the water right file?

7. Is there evidence that there has been a change in the POU?

8. Can the claim be verified as an accomplished transfer?

9. Does the claim include an enlargement in the POU?

10. Was an enlargement claim filed?

11. Did the claimant file an enlargement claim?

12. Was a transfer filed?

13. Does the file contain all the necessary information to verify the POU?

14. Is a POU remark and/or condition required?

Describe how the POU was verified

Add Remarks/Conditions

Questions have not been saved

Save

Check for Overlapping Irrigation POU(s)

Check for All Overlapping POU(s)

Hide References

Next Step

Previous Steps: Select Claim

Screen ID 384

References

[Contact Help Desk](#)

[Document Management Search](#)

[Launch ArcView](#)

[Administrative Rules](#)

[Query Tools](#)

Show Help

Screen ID 384
Process: Claim
Verification
Record
Step: Update
Information

Quick Look	Contacts	Priority Date	POD	Source	POU	Water Use	Period of Use	Quantity	Summary
------------	----------	---------------	-----	--------	-----	-----------	---------------	----------	---------

Claimed Place of Use

Twp	Rge	Sec	QQ	Q	County	Lot Num	Acres	Purpose of Use	Large POU

Use Claimed POU as Recommended POU

Water Right Place of Use

Twp	Rge	Sec	QQ	Q	County	Lot Num	Acres	Water Source	Water Right Nu...

Recommended Place of Use

Twp Rge Sec Gov't Lot Num QQ Q

County Number of Acres Water Use

Add **Edit** **Copy Selected PLS** **Calculate Acreage** Total Acreage

Twp	Rge	Sec	QQ	Q	County	Lot Num	Acres	Purpose of Use	P...
07S	23E	24	SE	SE	MINIDOKA			IRRIGATION	49...
07S	23E	24	SE	NE	MINIDOKA			IRRIGATION	49...
07S	23E	24	NE	SE	MINIDOKA			IRRIGATION	49...
07S	23E	25	NE	NE	MINIDOKA			IRRIGATION	49...
07S	23E	25	SE	NE	MINIDOKA			IRRIGATION	49...
07S	23E	25	NE	SE	MINIDOKA			IRRIGATION	49...
07S	23E	31	SE	SW	MINIDOKA	4		IRRIGATION	49...
07S	23E	31	SE	SE	MINIDOKA			IRRIGATION	49...
07S	23E	33	SW	SW	MINIDOKA			IRRIGATION	49...
07S	23E	33	SE	SE	MINIDOKA			IRRIGATION	49...

Remove Selected POU **Remove All** **Return to Questions** **Refresh** **Save**

Copy water use PLS

Copy From Copy To

IRRIGATION

Copy selected Water Use PLS

This feature allows you to copy the PLS of a Water Use in this record to another Water Use within this record.

Copy POU(s) from another record

Copy POU(s)

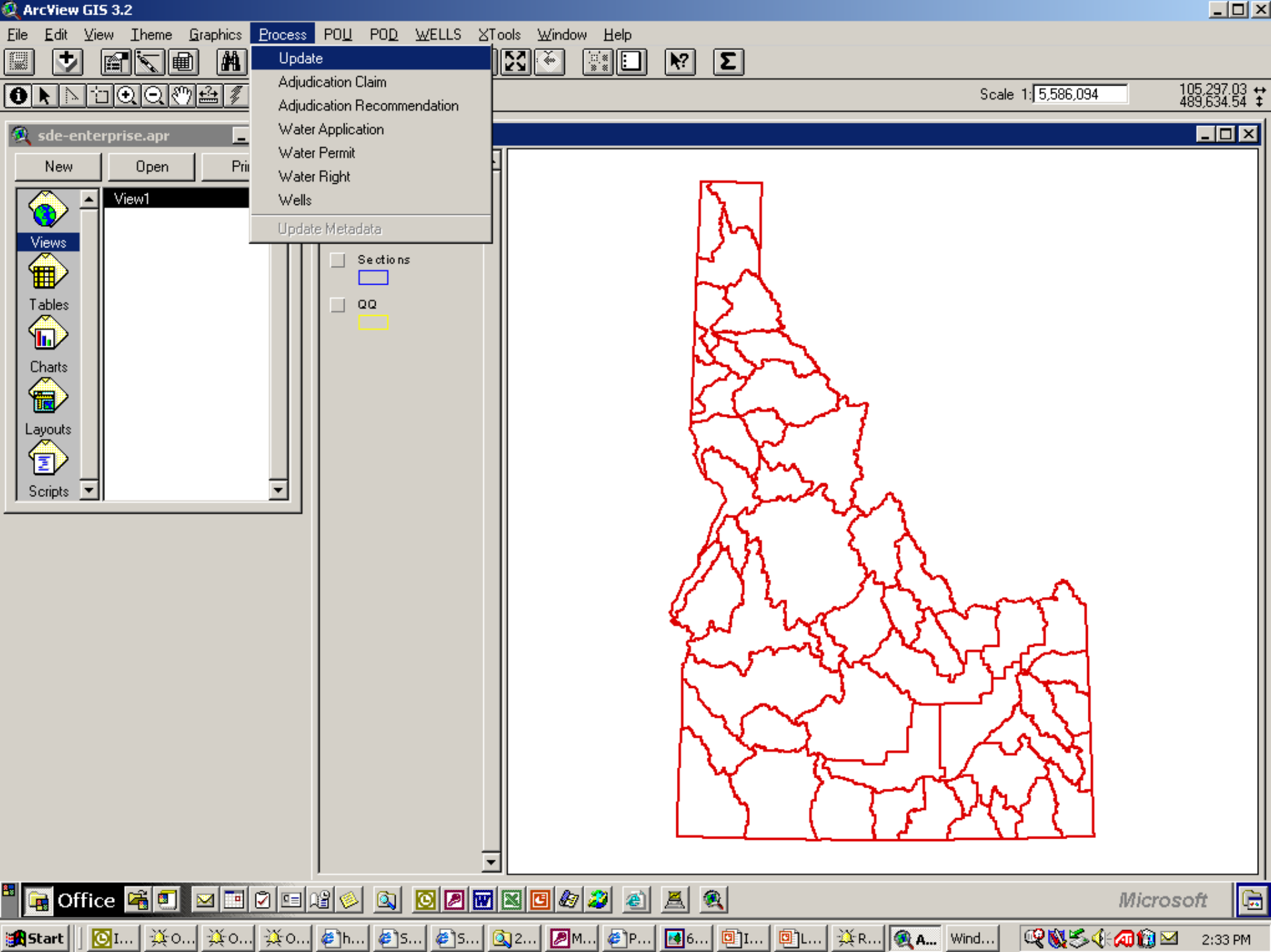
This feature allows you to copy the POU from another IDWR record to this record.

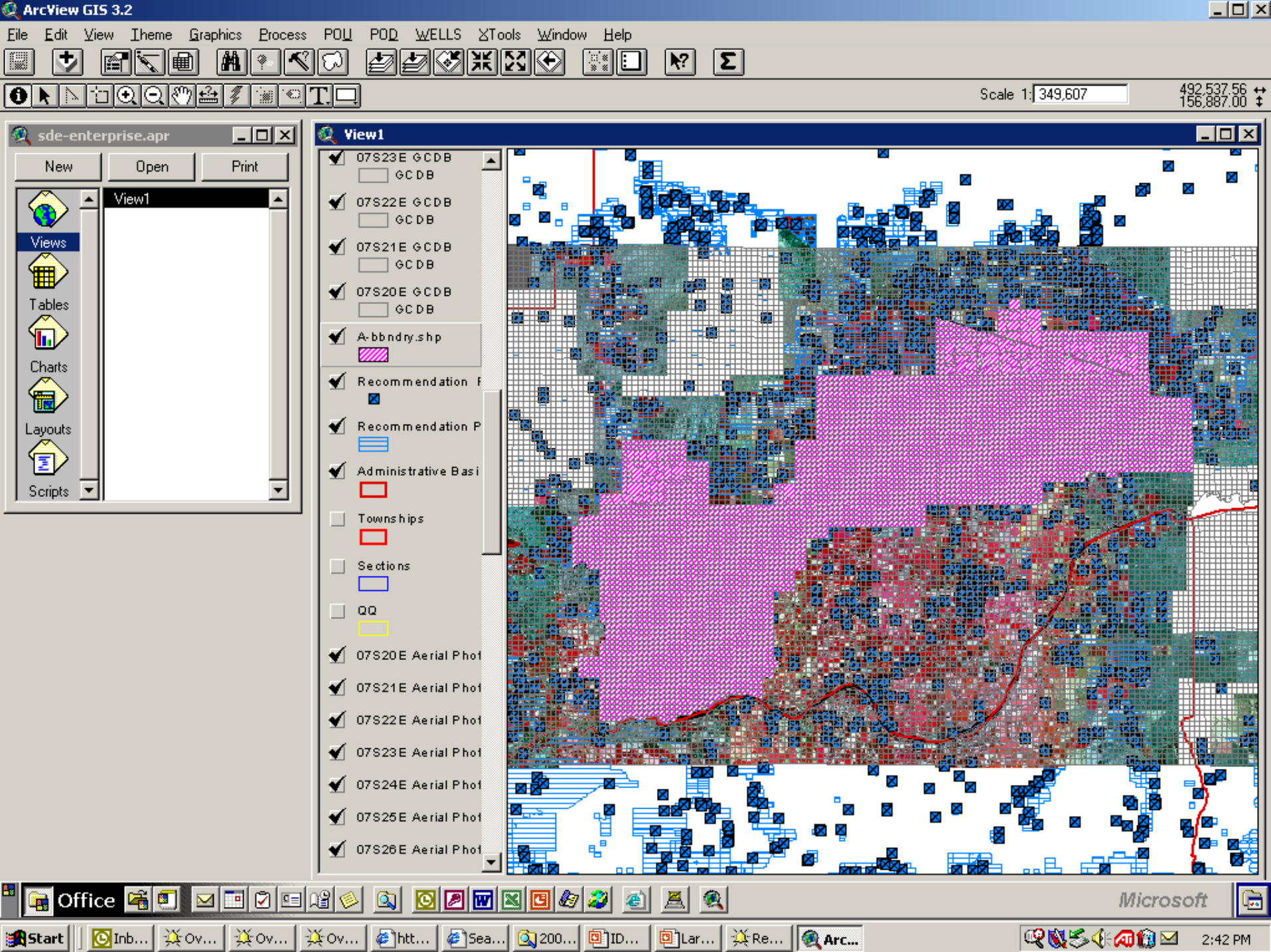
Hide References

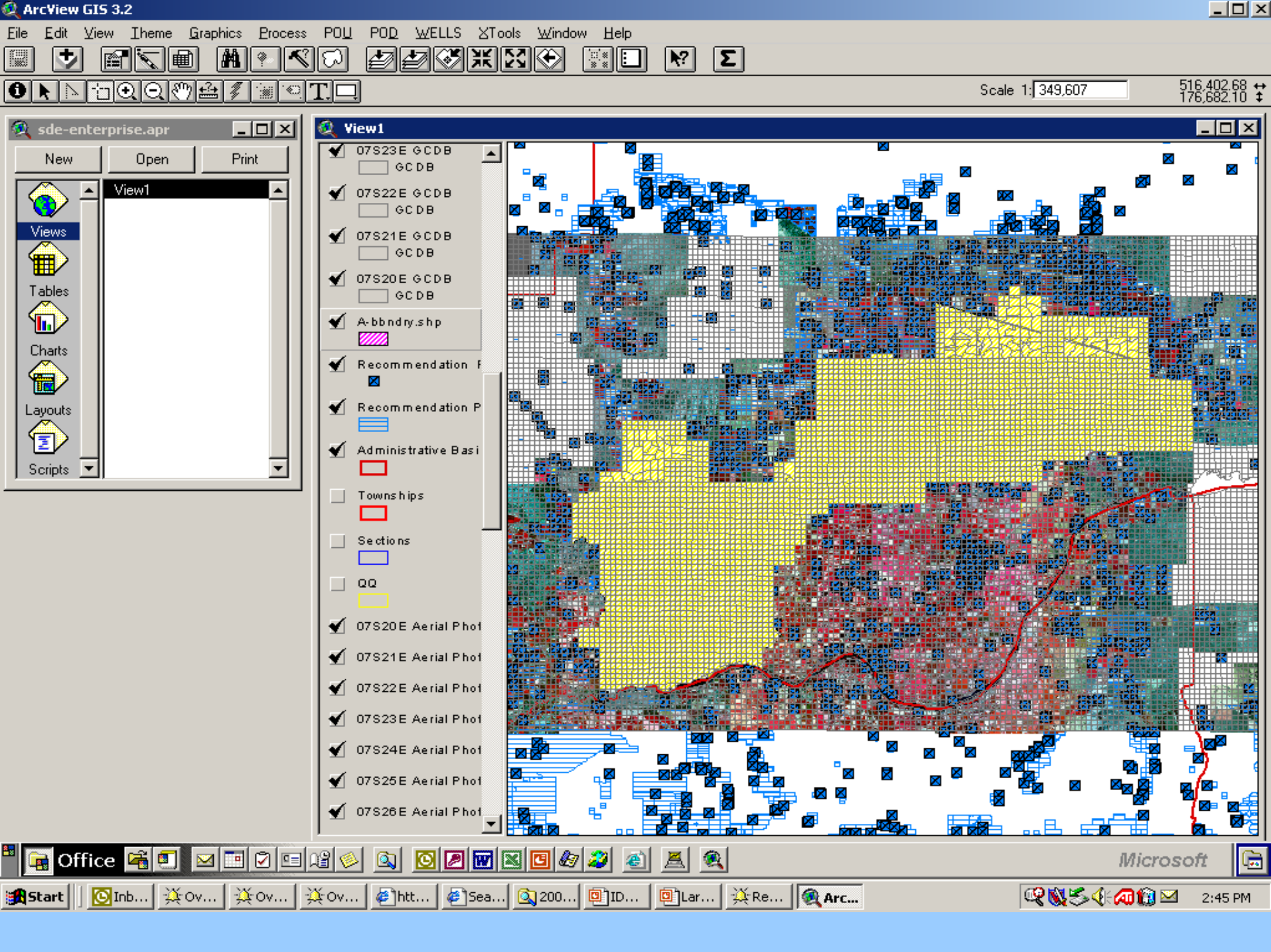
Next Step

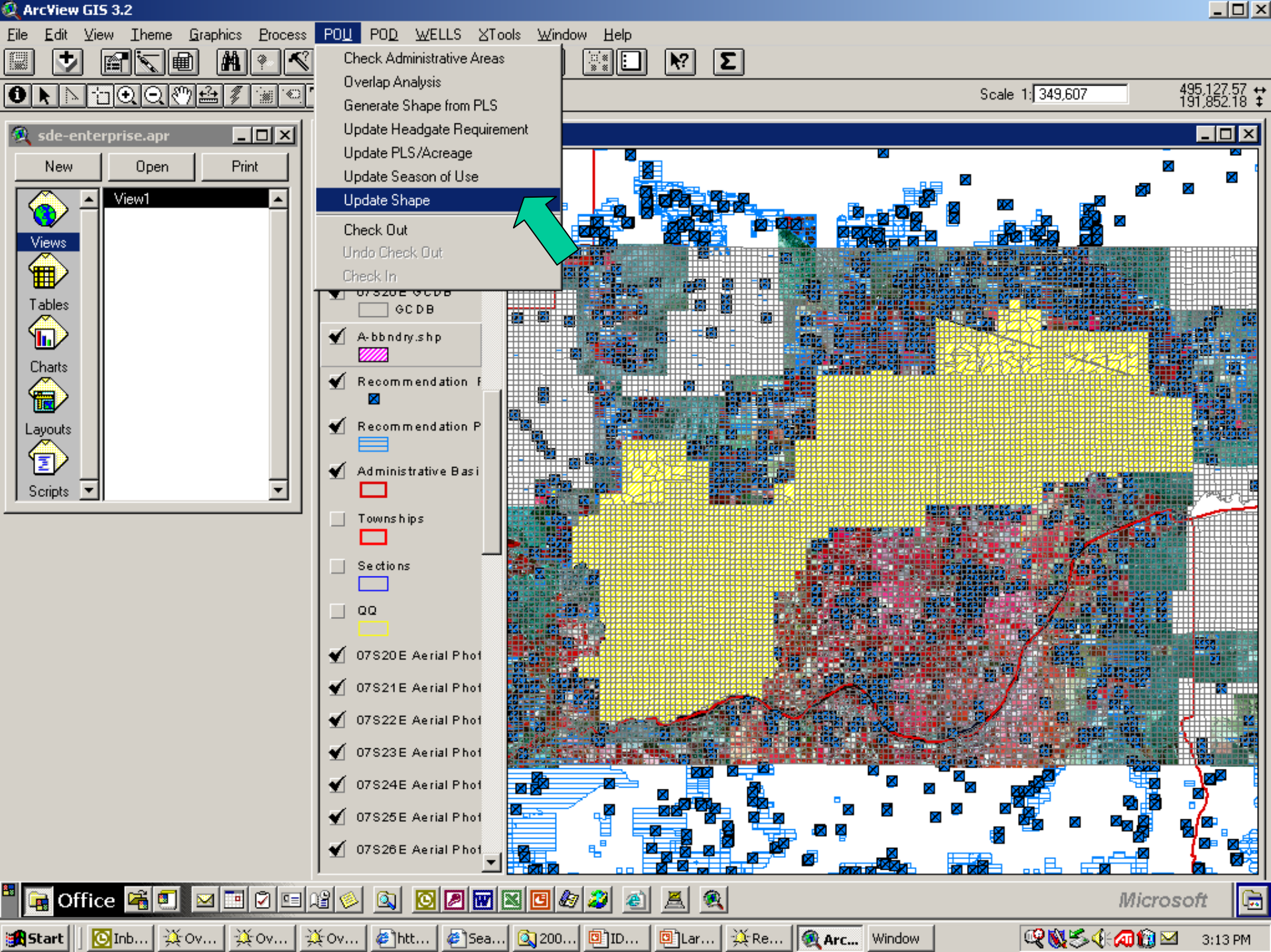
Previous Steps: Select Claim

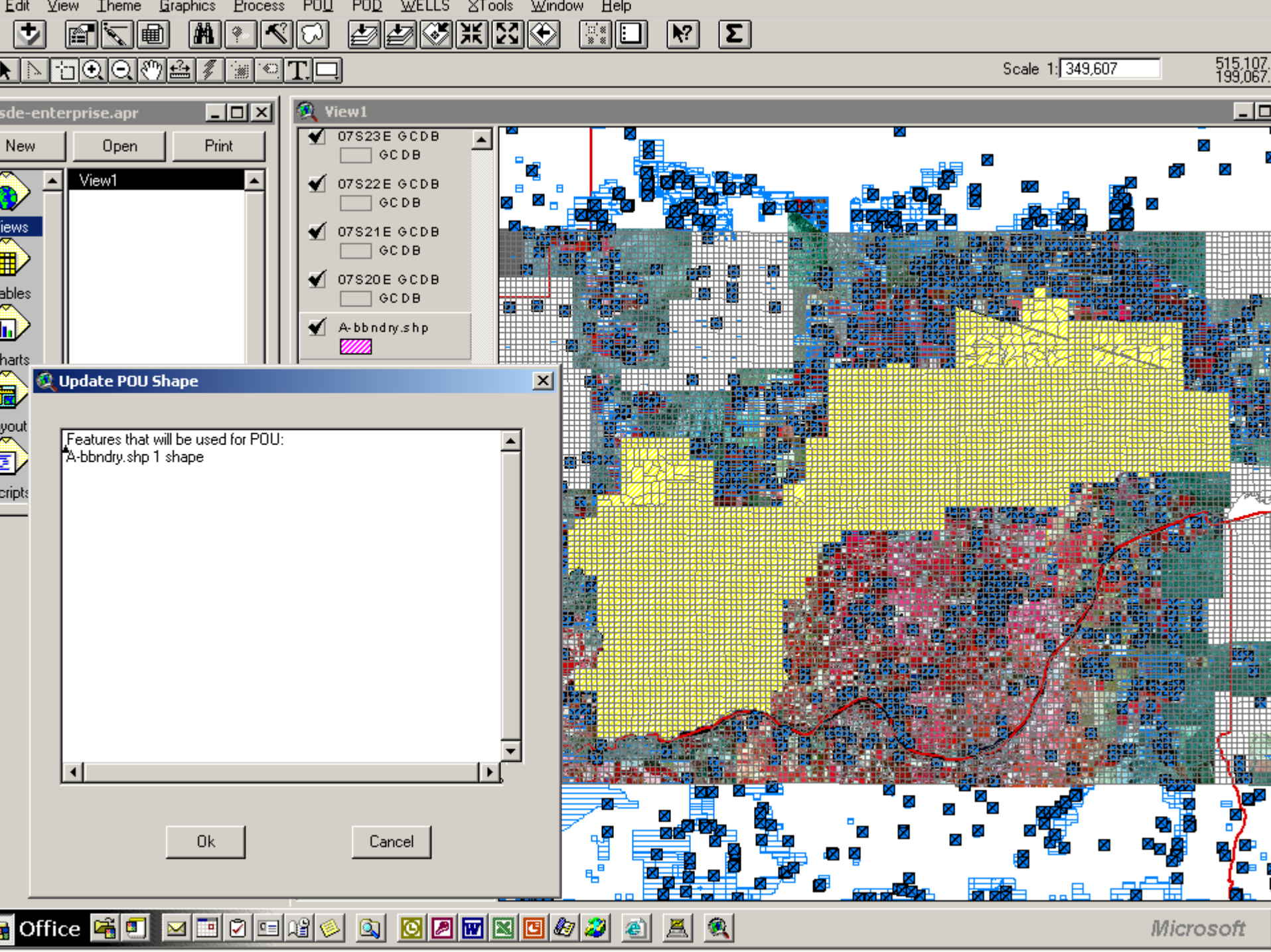
Screen ID 384

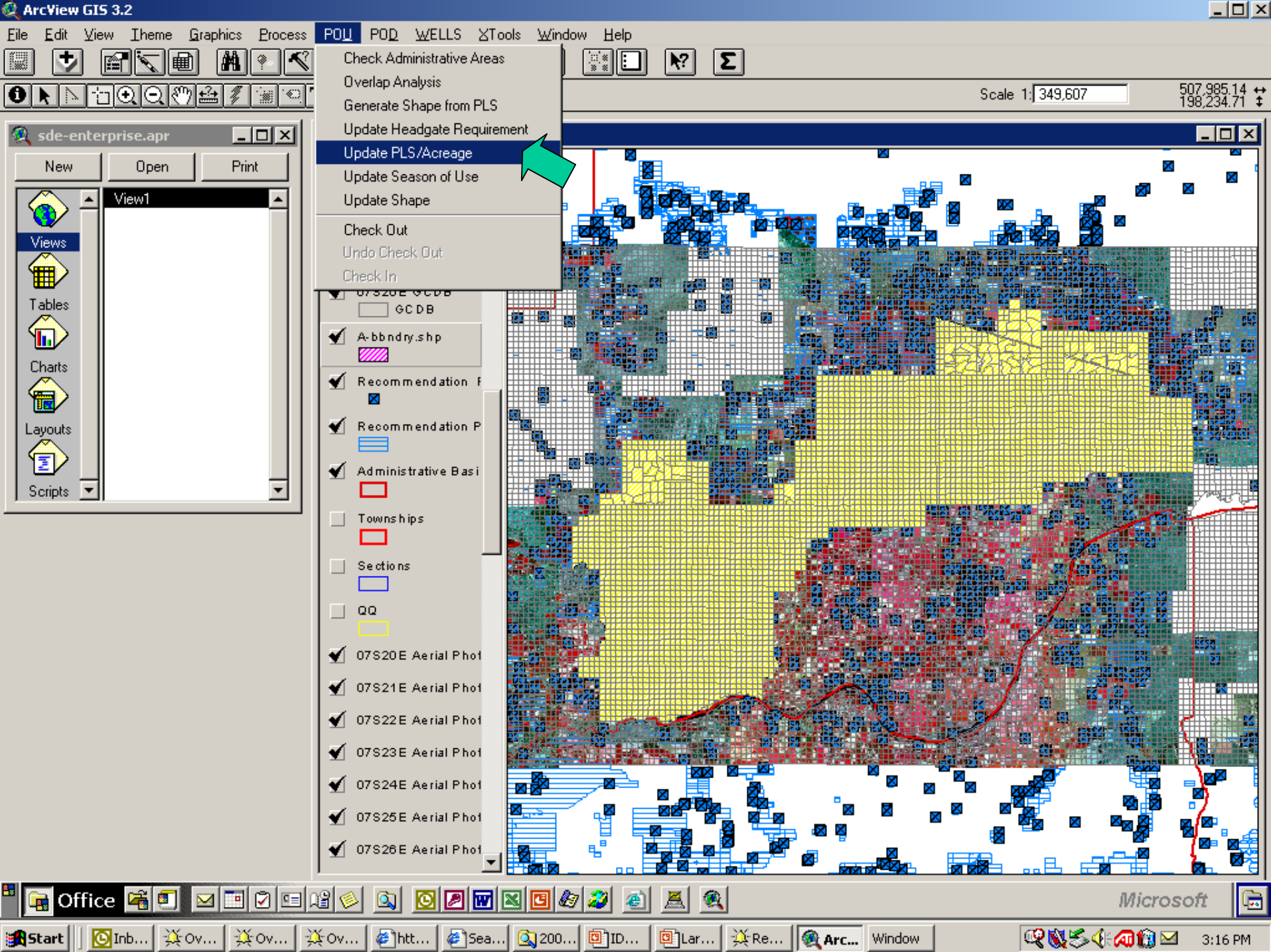












References

[Contact Help Desk](#)

[Document Management Search](#)

[Launch ArcView](#)

[Administrative Rules](#)

[Query Tools](#)

Show Help

Screen ID 384
Process: Claim
Verification
Record
Step: Update
Information

Quick Look	Contacts	Priority Date	POD	Source	POU	Water Use	Period of Use	Quantity	Summary
------------	----------	---------------	-----	--------	-----	-----------	---------------	----------	---------

Claimed Place of Use

Twp	Rge	Sec	QQ	Q	County	Lot Num	Acres	Purpose of Use	Large POU

Use Claimed POU as Recommended POU

Water Right Place of Use

Twp	Rge	Sec	QQ	Q	County	Lot Num	Acres	Water Source	Water Right Nu...

Recommended Place of Use

Twp Rge Sec Gov't Lot Num QQ Q

County Number of Acres Water Use

Add **Edit** **Copy Selected PLS** **Calculate Acreage** Total Acreage

Twp	Rge	Sec	QQ	Q	County	Lot Num	Acres	Purpose of Use	P...
10S	22E	19	SE	NE	MINIDOKA	9		IRRIGATION	49...
10S	22E	19	SE	NE	MINIDOKA			IRRIGATION	49...
10S	22E	19	SE	NE	MINIDOKA			IRRIGATION	49...
10S	22E	19	NW	SW	MINIDOKA	10		IRRIGATION	49...
10S	22E	19	NE	SW	MINIDOKA	7		IRRIGATION	49...
10S	22E	20	NE	NW	MINIDOKA	4		IRRIGATION	49...
10S	22E	20			MINIDOKA			IRRIGATION	49...
10S	22E	20	NW	NW	MINIDOKA	5		IRRIGATION	49...
10S	22E	20	NE	NW	MINIDOKA			IRRIGATION	49...
10S	22E	22	NE	NW	MINIDOKA	5		IRRIGATION	49...

Remove Selected POU **Remove All** **Return to Questions** **Refresh** **Save**

Copy water use PLS

Copy From Copy To

IRRIGATION

Copy selected Water Use PLS

This feature allows you to copy the PLS of a Water Use in this record to another Water Use within this record.

Copy POU(s) from another record

Copy POU(s)

This feature allows you to copy the POU from another IDWR record to this record.

Hide References

Next Step

Previous Steps: Select Claim

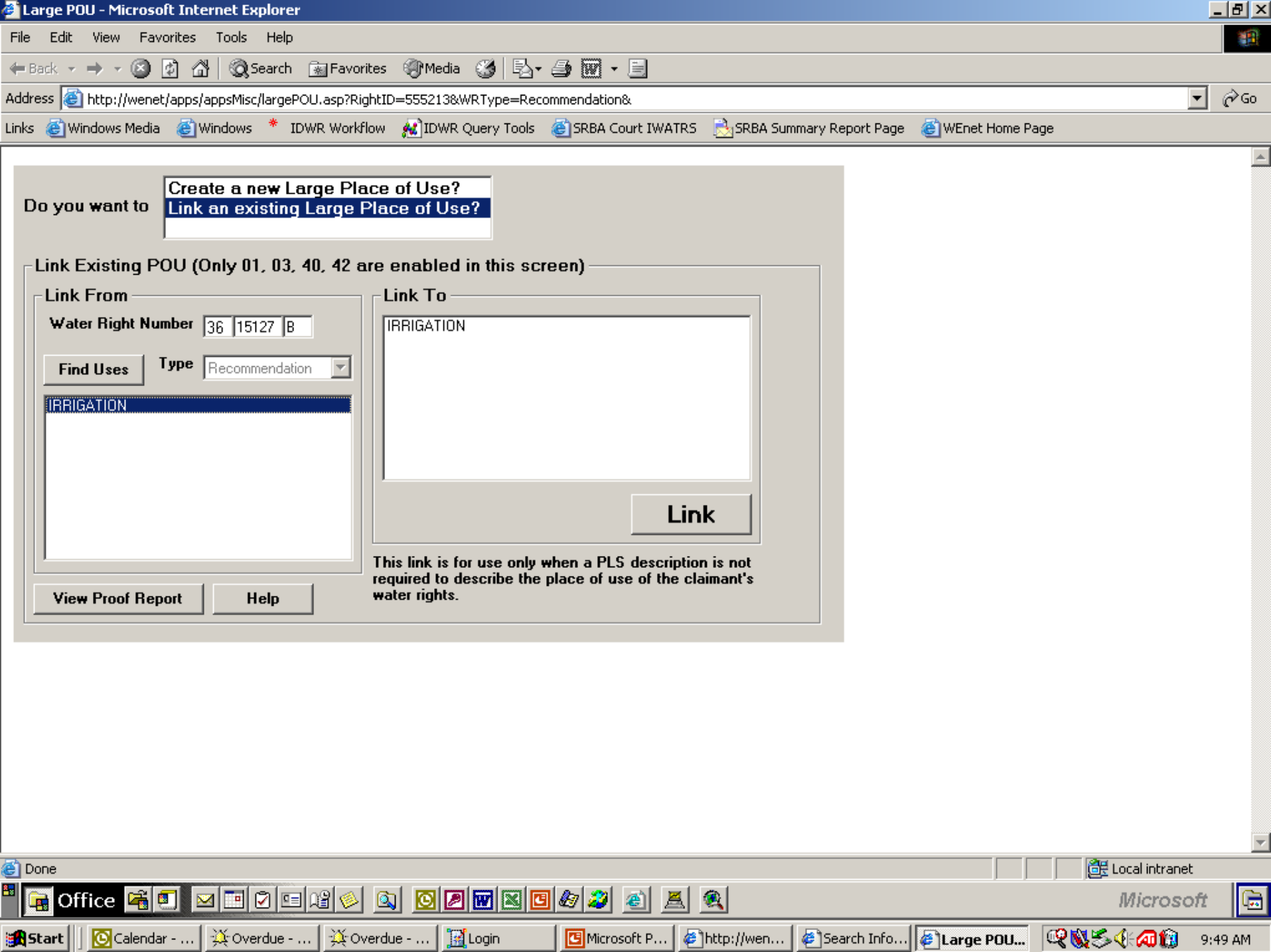
Screen ID 384

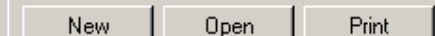
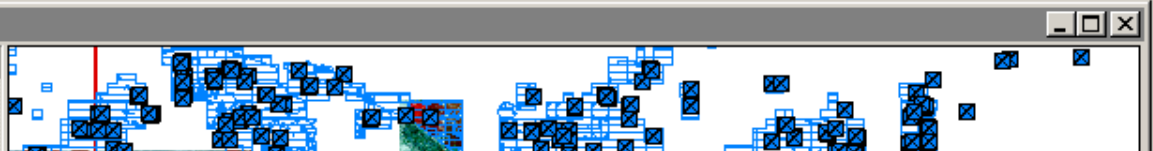
Linking POUs

- Each associated water right has the same POU.
- From a data standpoint all share the same POUID and ShapeID.
- A return from a query provides all the water rights without cluttering the data base with large redundant PLS descriptions.

Do you want to

Create a new Large Place of Use?
Link an existing Large Place of Use?





Views



Tables



Charts



Layouts

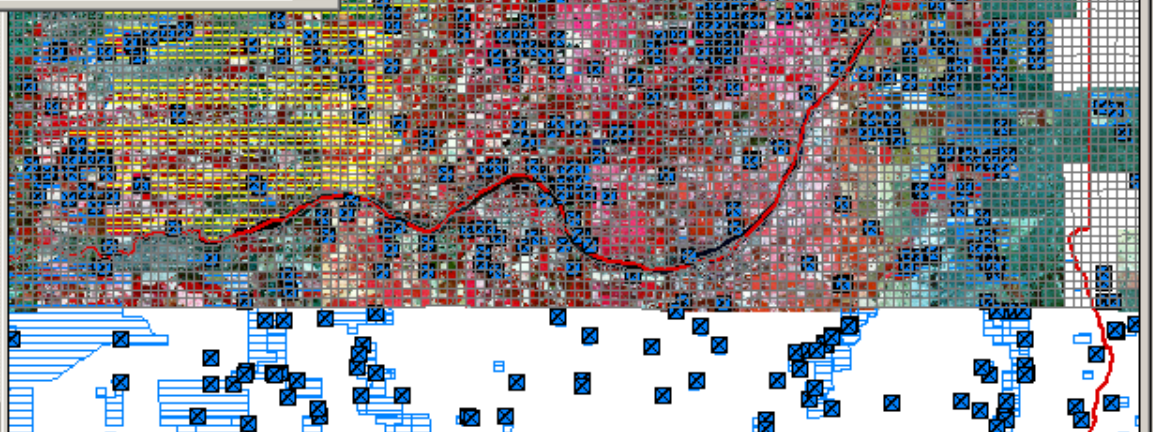
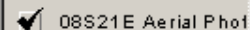
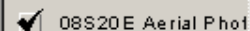
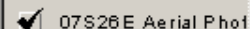
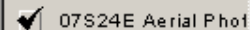
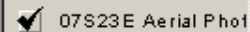
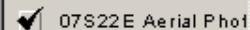
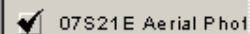


Scripts



5: Recommendation POU 36-15127B	BasinNumber	36
6: Recommendation POU 36-15127B	SequenceNumber	15195
7: Recommendation POU 36-15192	SplitSuffix	A
8: Recommendation POU 36-15192	VersionNumber	2
9: Recommendation POU 36-15193A	Status	Active
10: Recommendation POU 36-15193A	Basis	Beneficial Use
11: Recommendation POU 36-15193B	PriorityDate	Apr 1 1962
12: Recommendation POU 36-15193B	WaterUseCode	01
13: Recommendation POU 36-15194A	TotalAcres	
14: Recommendation POU 36-15194A	AcresLimit	52.500000
15: Recommendation POU 36-15194B	Owner	UNITED STATES OF AMERICA
16: Recommendation POU 36-15194B	Source	GROUND WATER
17: Recommendation POU 36-15195A	SourceQualifier	
18: Recommendation POU 36-15195A	TributaryOf	
19: Recommendation POU 36-15195B	TributaryOfQualifier	
20: Recommendation POU 36-15195B	RightID	555245
21: Recommendation POU 36-15196A	PlaceOfUseID	498516

pouID



Information Search (WR/AJ)

Type of Query

- ☐ Water Right ☒ Recommendation
☐ Permit ☐ Claim
☐ Application ☐ Transfer

None

All

View Results

- ☐ Excel Sheet ☐ Record Count (Basin)
☐ Ownship Report ☒ List Box
☐ Water Master Report ☐ Multiple Use Report
☐ Ownership Change Report

Max Records Returned

- ☒ All Records ☐ Set Max Records

Basin

Who?

What?

When?

Where?

Previous

SubCase

Twp 07S

Source

Street Address

Rge 23E

QQ SE

Tributary

Subdivision

Sec 24

Q SE

County

Postal Code

Gvt Lt

Parcel #

City

POD/POU

POU

Acres

To

Clear

Run Query

Title of Query

Description of Query

Save Results

Version: 1.0.141

Parameters

Results

Information Search (WR/AJ)

B.	Seque...	S...	V.	Source Table	Basis	Status	RightID	Priority Date	Di...	Source List	Water Use List	Owner List	Applic...
36	2080		3	wrAdjudicationRe...	License	Active	555212	1948-09-09	11...	GROUND WA...	IRRIGATION	UNITED STAT...	
36	15127	A	2	wrAdjudicationRe...	Beneficial...	Active	555213	1962-04-01	31...	GROUND WA...	IRRIGATION	UNITED STAT...	
36	15127	B	2	wrAdjudicationRe...	Beneficial...	Active	555239	1984-04-01	28...	GROUND WA...	IRRIGATION	UNITED STAT...	
36	15192		3	wrAdjudicationRe...	Beneficial...	Active	555240	1962-04-01	0.60	GROUND WA...	IRRIGATION	UNITED STAT...	
36	15193	A	2	wrAdjudicationRe...	Beneficial...	Active	555241	1962-04-01	0.21	GROUND WA...	IRRIGATION	UNITED STAT...	
36	15193	B	2	wrAdjudicationRe...	Beneficial...	Active	555242	1965-04-01	0.31	GROUND WA...	IRRIGATION	UNITED STAT...	
36	15194	A	2	wrAdjudicationRe...	Beneficial...	Active	555243	1962-04-01	0.23	GROUND WA...	IRRIGATION	UNITED STAT...	
36	15194	B	2	wrAdjudicationRe...	Beneficial...	Active	555244	1968-04-01	2.51	GROUND WA...	IRRIGATION	UNITED STAT...	
36	15195	A	2	wrAdjudicationRe...	Beneficial...	Active	555245	1962-04-01	0.87	GROUND WA...	IRRIGATION	UNITED STAT...	
36	15195	B	2	wrAdjudicationRe...	Beneficial...	Active	555246	1978-04-01	2.24	GROUND WA...	IRRIGATION	UNITED STAT...	
36	15196	A	2	wrAdjudicationRe...	Beneficial...	Active	555247	1962-04-01	0.29	GROUND WA...	IRRIGATION	UNITED STAT...	
36	15196	B	2	wrAdjudicationRe...	Beneficial...	Active	555248	1981-04-01	0.08	GROUND WA...	IRRIGATION	UNITED STAT...	
36	2653	B	2	wrAdjudicationRe...	License	Closed	371910	1966-09-12	0.68	GROUND WA...	IRRIGATION	YOUNG & YOU...	
36	2653	B	3	wrAdjudicationRe...	License	Active	559844	1966-09-12	0.68	GROUND WA...	IRRIGATION	YOUNG & YOU...	
36	4006		3	wrAdjudicationRe...	Beneficial...	Closed	559869	1977-07-14	1.70	GROUND WA...	IRRIGATION	YOUNG & YOU...	
36	4006		4	wrAdjudicationRe...			560230	1977-07-14	1.70	GROUND WA...	IRRIGATION	YOUNG & YOU...	
36	11290		2	wrAdjudicationRe...	Beneficial...	Closed	372667	1985-05-01	0.06	GROUND WA...	IRRIGATION	YOUNG & YOU...	
36	2058	B	1	wrAdjudicationRe...	License	Closed	404376	1948-02-02	0.11	GROUND WA...	IRRIGATION	YOUNG & YOU...	
36	2058	C	1	wrAdjudicationRe...	License	Closed	404377	1948-02-02	5.13	GROUND WA...	IRRIGATION	YOUNG & YOU...	

The number of records is 86

**View
Documents**

**Print Proof
Report**

**Print Transfer
Part 2**

Parameters

Results

Recommendation Report

- By programming and use of the Large POU flag, no PLS description is written into the report.
- In a specific report, the lengthy land list can be chosen to appear in a report.



PLACE OF USE:

PLACE OF USE WITHIN THE
BOUNDARY OF A & B IRRIGATION
DISTRICT, PURSUANT TO SECTION 43-
323, IDAHO CODE.

THE RIGHTS LISTED BELOW ARE
LIMITED TO THE IRRIGATION OF A
COMBINED TOTAL OF 66,686.2 ACRES IN
A SINGLE IRRIGATION SEASON.

Court Decree

- A map (ArcView layout) is reported to the Court by IDWR along with AV shape files.
- Upon issuing a decree for the water right(s), the Court attaches a layout of the boundary to the decree and retains the digital boundary shape files for its records. IDWR also preserves the digital shape files.

Benefits of Large POU

- ✓ Focus turns from tedium of PLS descriptions to proper location of the service area boundary.
- ✓ Agents reduce processing time by linking multiple Large POU water rights to the first one processed.
- ✓ Have text-based access to a spatial data feature.
- ✓ Water delivery organizations can focus on water management within boundary.
- ✓ Future change in boundary requires only simple notice to IDWR rather than complicated transfer (change) proceeding.

Questions / Discussion

